#### **ENVIRONMENTAL CHEMISTS**

Date of Report: June 10, 1993 Date Received: June 8, 1993

Project: 3317 Spot Checks, PO #M29288 Date Samples Extracted: June 9, 1993 Date Extracts Analyzed: June 9, 1993

### RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLE FOR TCLP METALS IN ACCORDANCE WITH 40 CFR PART 261

Results Reported as mg/L (ppm)

Sample ID	<u>M29288</u>	Regulatory Level
Analyte:		
Chromium	0.8	5.0
Lead	<0.5	5.0
Copper	95	
Nickel	47	
Zinc	1.5	

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### RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLE FOR TCLP METALS IN ACCORDANCE WITH 40 CFR PART 261

Results Reported as mg/L (ppm) Quality Assurance

Sample#	<u>Blank</u>	M29288 ( <u>Duplicate</u> )	Regulatory Level		
Analyte:					
Chromium	<0.5	0.7	5.0		
Lead	<0.5	<0.5	5.0		
Copper	<0.5	77			
Nickel	<0.5	37			
Zinc	<0.5	1.3			

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#### RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLE FOR TCLP METALS IN ACCORDANCE WITH 40 CFR PART 261

Results Reported as % Recovery Quality Assurance

Sample#	M29288 <u>Matrix Spike</u> % Recovery	M29288 <u>Matrix Spike Duplicate</u> % Recovery	Spike <u>Level</u>	
Analyte:				
Chromium	92%	94%	5	
Lead	92%	97%	10	
Copper	ai	ai	5	
Nickel	ai	ai	10	
Zinc	92%	92%	5	

ai The amount spiked was insufficient to give meaningful recovery data.

#### **ENVIRONMENTAL CHEMISTS**

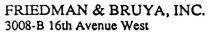
Date of Report: June 10, 1993 Date Received: June 8, 1993

Project: 3317 Spot Checks, PO #M29288 Date Samples Extracted: June 9, 1993 Date Extracts Analyzed: June 9, 1993

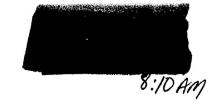
#### RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLE FOR TCLP METALS IN ACCORDANCE WITH 40 CFR PART 261

Results Reported as % Recovery Quality Assurance

Sample#	<u>Spike Blank</u>	Spike <u>Level</u>
Analyte:		
Chromium	93%	5
Lead	93%	10
Copper	98%	5
Nickel	95%	10
Zinc	94%	5



Seattle, WA 98119



# SAMPLE CHAIN OF CUSTODY

Send Report To: A ASKAN Company Address 628 HAVEN College City, State, Zip Sendille u	ppen Work	5	_ Contact	Gerall -	Thompso	~	
Phone # (206) 673-5800			Date	6/8/53			
SITE NO.	PROJECT NAME			PURCHA	ASE ORDER #		
. 37	317 SPOT	Checks	- Allery	mi	29288		
SAMPLERS (signature)	•		1	PROJEC	CT LOCATION		
In The				* *			
REMARKS				SAMPLI	E DISPOSAL II	NFORM.	
		,		<b>∑</b> 2′	Dispose after : Return Sample Call for Instru	es	
	Date/Time Sampled	Type of Sample	# of Jars	Lab Sample #	Analyses Requeste		
m 29288 9	8/13 8:00 pm	MIZS	/	40566	TCCF	> fo	r
					CR, Cu	, Ni,	ZN, Pb
					·		
					,		
							:
SIGNATURE	PRINT NAME	*	СОМР			Date	Time
Reflicationed by:	Garel Thom	P60~/	Alask	LAN Copper	2 4	1/25	8:80 m
Received by: Deliver Policy	-Dest An	derson	T.A	CAN Coppen	6	18/93	BROAM
Relinquished by:			<b>V</b>				
Received by:		v					

#### **ENVIRONMENTAL CHEMISTS**

Andrew John Friedman James E. Bruya, Ph.D. (206) 285-8282 3008-B 16th Avenue West Seattle, WA 98119 FAX: (206) 283-5044

June 10, 1993

#### **INVOICE # 93ACU0610-1**

Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project 3317 Spot Checks, PO #M29288: Results of testing requested by Gerry Thompson, Project Leader and submitted on June 8, 1993.

1 soil sample	analyzed for	TCLP Metals	@ \$150 per	
sample				\$ 150.00
<b>Amount Due</b>				\$ 150.00

#### **ENVIRONMENTAL CHEMISTS**

Andrew John Friedman James E. Bruya, Ph.D. (206) 285-8282 3008-B 16th Avenue West Seattle, WA 98119 FAX: (206) 283-5044

June 10, 1993

Gerry Thompson, Project Leader Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on June 8, 1993 from Project 3317 Spot Checks, PO #M29288.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

Bradley T. Benson

Chemist

BTB/dp

Enclosures